

W/3A



SEQUENCE LISTING

<110> MOCKEL, BETTINA
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<120> NEW NUCLEOTIDE SEQUENCES WHICH CODE FOR THE CITA GENE

<130> MAS/21123/279062

<140> 09/804,060

<141> 2001-03-13

<150> DE 100 42 740.5

<151> 2000-08-31

<150> DE 101 08 463.3

<151> 2001-02-22

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<170> PatentIn Ver. 2.1

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<212> DNA

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<222> (201)..(1853)

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gacttttgtg cattatgatc agaattgttg gcctgggact tcgcttcacg ctctgctgat 180
aatcgccccc gggggtagac atg tct gtt ggt gga tcc gac tgg aaa aac ttc 233
Met Ser Val Gly Gly Ser Asp Trp Lys Asn Phe
1 5 10
aag gag gtg gac atc att cgc ttt gct acc cga ata ctg gtg att caa 281
Lys Glu Val Asp Ile Ile Arg Phe Ala Thr Arg Ile Leu Val Ile Gln
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Val Ala Thr Val Ala Leu Val Val Ala Ile Cys Thr Gly Ile Phe Ala
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Val Leu Met Met Asp Gln Met Lys Thr Glu Ala Glu His Thr Ala Leu
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A3

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gat gga gat atc caa gcg gtt gca cag gcg gcc aat gaa cgc act gga Asp Gly Asp Ile Gln Ala Val Ala Gln Ala Ala Asn Glu Arg Thr Gly 95 100 105	521
gct ttg ttt gtc gtt atc act gac ggt tta ggt atc cgc ctg tcc cac Ala Leu Phe Val Val Ile Thr Asp Gly Leu Gly Ile Arg Leu Ser His 110 115 120	569
cca gat gag gaa cgt ctg ggg gag cag gtg agc act agc ttt gag gct Pro Asp Glu Glu Arg Leu Gly Glu Gln Val Ser Thr Ser Phe Glu Ala 125 130 135	617
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gta ttt gcc aca gcc acc cag ata gga gac tct gaa gat aat gaa cgc Val Phe Ala Thr Ala Thr Gln Ile Gly Asp Ser Glu Asp Asn Glu Arg 495 500 505	1721

acc cac ggg cat ggc att ggt cta aaa ctg tgc cgg gct ttg gct aga 1769
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tca cat ggt ggc gat gtc tgg gtg att gat aga gga acc gaa gat ggc 1817
 Ser His Gly Gly Asp Val Trp Val Ile Asp Arg Gly Thr Glu Asp Gly
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gct gta ttt gga gtg aaa cta ccg gga gta atg gag taatggatca 1863
 Ala Val Phe Gly Val Lys Leu Pro Gly Val Met Glu
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 Gln Met Lys Thr Glu Ala Glu His Thr Ala Leu Ser Ile Gly Arg Ser
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 Val Ala Ser Asn Pro Gln Ile Arg Glu Glu Val Ala Leu Asp Thr Gln
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 Thr Gly Ala Asn Pro Ser Ala Glu Glu Leu Ala Asp Gly Asp Ile Gln
 85 90 95
 Ala Val Ala Gln Ala Ala Asn Glu Arg Thr Gly Ala Leu Phe Val Val
 100 105 110
 Ile Thr Asp Gly Leu Gly Ile Arg Leu Ser His Pro Asp Glu Glu Arg
 115 120 125
 Leu Gly Glu Gln Val Ser Thr Ser Phe Glu Ala Ala Met Arg Gly Glu
 130 135 140
 Glu Thr Met Ala Trp Glu Thr Gly Thr Leu Gly Ala Ser Ala Arg Ala
 145 150 155 160

Lys Val Pro Ile Phe Ala Pro Asp Ser Ser Val Pro Val Gly Glu Val
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 Ser Val Gly Phe Glu Arg Asp Ser Val Tyr Ser Arg Leu Pro Met Phe
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 Gly Val Ala Met Gly Met Arg Arg Arg Trp Glu Arg Val Thr Leu Gly
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 Leu Gln Pro Glu Glu Leu Val Thr Leu Val Gln Asn Gln Thr Ala Val
 225 230 235 240
 Ile Asp Gly Ile Asp Glu Gly Val Leu Ala Leu Ser Pro Asn Gly Thr
 245 250 255
 Ile Gly Val His Asn Glu Gln Ala Gln Ser Met Ile Gly Ala Gly Pro
 260 265 270
 Met Ser Gly Arg Thr Leu Lys Glu Leu Gly Leu Asp Leu Gly Leu Asp
 275 280 285
 Gly Val Val Leu His Gly Gln His Pro Glu Thr Val Ala His Asn Gly
 290 295 300
 Arg Ile Leu Tyr Leu Asp Phe His Pro Val Arg Arg Gly Asp Gln Asp
 305 310 315 320
 Leu Gly Tyr Val Val Thr Ile Arg Asp Arg Thr Asp Ile Ile Glu Leu
 325 330 335
 Ser Glu Arg Leu Asp Ser Val Arg Thr Met Thr His Ala Leu Arg Ala
 340 345 350
 Gln Arg His Glu Phe Ala Asn Arg Ile His Thr Ala Thr Gly Leu Ile
 355 360 365
 Asp Ala Gly Arg Val His Asp Ala Ala Glu Phe Leu Gly Asp Ile Ser
 370 375 380
 Arg Asn Gly Gly Gln Ser His Pro Leu Ile Gly Ser Ala His Leu Asn
 385 390 395 400
 Glu Ala Phe Leu Ser Ser Phe Leu Ser Thr Ala Ser Ile Ser Ala Ser
 405 410 415
 Glu Lys Gly Val Ser Leu Arg Ile Asn Ser Asp Thr Leu Ile Leu Gly
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 Thr Val Lys Asp Pro Glu Asp Val Ala Thr Ile Leu Gly Asn Leu Ile
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 Asn Asn Ala Ile Asp Ala Ala Val Ala Gly Glu Ala Pro Arg Trp Ile
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Glu Leu Thr Leu Met Asp Asp Ala Asp Thr Leu Val Ile Ser Val Ala
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 Asp Ser Gly Pro Gly Ile Pro Glu Gly Val Asp Val Phe Ala Thr Ala
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 Thr Gln Ile Gly Asp Ser Glu Asp Asn Glu Arg Thr His Gly His Gly
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 Ile Gly Leu Lys Leu Cys Arg Ala Leu Ala Arg Ser His Gly Gly Asp
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end A₃
